



***National  
Environmental  
Achievement Track  
Application Form***

PerkinElmer Optoelectronics

Name of facility

PerkinElmer, Inc

Name of parent company (if any)

35 Congress Street

Street address

street address

Street address (continued)

Salem, MA 01970

City/State/Zip code

Give us information about your contact person for the  
National Environmental Achievement Track Program.

Name Denise M. Cataldo

Title ESH Consultant

Phone 978-745-3200 or 781-286-5091

Fax 978-745-7856

E-mail dcataldo@altavista.com

***Why do we need this information?***

EPA needs background information on your facility to evaluate your application.

***What do you need to do?***

- Provide background information on your facility.
- Identify your environmental requirements.

# Section A

*Tell us about your facility.*

1 What do you do or make at your facility?

PerkinElmer Optoelectronics' Salem Facility designs and manufactures a complete selection of high quality flash lamps and flash lamp based systems including state-of-the-art pulsed light sources, triggering devices, power supplies, high energy capacitive discharge switches, and integrated systems and frequency products.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC  
3641 3671

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

- ☐ Fewer than 50  
☐ 50-99  
☒ 100-499  
☐ 500-1,000  
☐ More than 1,000

## Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

MAD001053636

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right **or** enclose a completed Checklist with your application.

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

PerkinElmer Optoelectronics has been certified to ISO 14001 since February, 1996

### ***Why do we need this information?***

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

### ***What do you need to do?***

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

# *Section B*

*Tell us about your EMS.*

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

*a.* Environmental policy

☒ Yes

*b.* Planning

☒ Yes

*c.* Implementation and operation

☒ Yes

*d.* Checking and corrective action

☒ Yes

*e.* Management review

☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)?

☒ Yes

3 Did this cycle include both an EMS and a compliance audit?

☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS?

☒ Yes

If yes, what method of EMS assessment did you use?

☐ Self-assessment

☐ GEMI

☐ Other

☐ CEMP

☒ Third-party assessment

☒ ISO 14001 Certification

☐ Other

# Section C

## ***Why do we need this information?***

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

## ***What do you need to do?***

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

*Tell us about your past achievements and future commitments.*

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

## ***First aspect you've selected***

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Electricity Consumption	5408000	kwh	4538000	kwh
<p>i. How is the current level an improvement over the previous level?</p> <p>16% reduction in two years with associated reduction in air pollution, greenhouse gas emissions and other fossil fuel impacts</p> <p>ii. How did you achieve this improvement?</p> <p>Implementation of an Energy Management System</p>				

**Second aspect you've selected**

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Hazardous Waste Generation	Quantity 19700	Units lbs	Quantity 13921	Units lbs
<p>i. How is the current level an improvement over the previous level?</p> <p>19% reduction in hazardous waste generation over two years</p>				
<p>ii. How did you achieve this improvement?</p> <p>Reorganized cleaning and metal finishing operations to eliminate duplicate processes and reduce waste</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

**Note to small facilities:** If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

**First aspect you've selected**

- a. What is the aspect? Electricity Consumption
- b. Is this aspect identified as significant in your EMS? ☐ Yes ☒ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A: Absolute value 4538000 kwh (Quantity/Units)
- ☐ Option B: In terms of units of production or output (Quantity/Units)

- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:  
Absolute value 417500 kwh  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production (Quantity/Units)  
or output
- e. How will you achieve this improvement? Retrofit test kits to replace asbestos containing components with benign material so that the exhausted air can be used for make up/heat in the test kit area.

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### **Second aspect you've selected**

- a. What is the aspect? Natural Gas Consumption
- b. Is this aspect identified as significant in your EMS? ☐ Yes ☒ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:  
Absolute value 45000 therms  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production (Quantity/Units)  
or output
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:  
Absolute value 40000 therms  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production (Quantity/Units)  
or output
- e. How will you achieve this improvement? same as above

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**Third aspect you've selected**

- |   |  |                               |
|---|--|-------------------------------|
| a. What is the aspect?  | Hazardous Waste Generation   |                               |
| b. Is this aspect identified as significant in your EMS?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                               |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.   | <input checked="" type="checkbox"/> Option A:<br>Absolute value  | 13921 lbs<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output  | (Quantity/Units)              |
| d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:<br>Absolute value  | 11900 lbs<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output  | (Quantity/Units)              |
| e. How will you achieve this improvement?   | Investigate alternative cleaning methods, further replacing hazardous materials (isopropanol, trichloroethylene) with nonhazardous cleaning materials. Also, a new unit of measurement will be implemented to incorporate the # of products being processed through the cleaning procedures. |                               |

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**Fourth aspect you've selected**

- |   |   |                                     |
|---|---|-------------------------------------|
| a. What is the aspect?  | Water Consumption   |                                     |
| b. Is this aspect identified as significant in your EMS?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                   |                                     |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.   | <input checked="" type="checkbox"/> Option A:<br>Absolute value                       | 1618672 gal<br>(Quantity/Units)     |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output | (Quantity/Units)                    |
| d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:<br>Absolute value                       | 1387810 gallons<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output | (Quantity/Units)                    |
| e. How will you achieve this improvement?   | Reduce the reject water in DI processing  |                                     |



### ***Why do we need this information?***

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

# Section D

*Tell us about your public outreach and reporting.*

### ***What do you need to do?***

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

In our EMS, there are a number of procedures for identifying and responding to community concerns. Any issues that arise as a result of an interested party (community, employee, regulator, auditor, other tenants, etc.) are documented, investigated and responded to in a timely manner.

2 How do you inform community members of important matters that affect them?

Information is generated through the media sources (newspaper, radio, etc.) or through letters/mailings.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☐ Website [www.](#)

☐ Newspaper

☐ Open Houses

☒ Other

PerkinElmer's policy is to make any environmental reports available by request so that a representative of PerkinElmer is available to review the document with the interested party if appropriate.

4 Are there any ongoing citizen suits against your facility? ☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	Organization	Name	Phone number
<i>Representative of a Community/ Citizen Group</i>	Lynn Minority Cultural Center (presentation of products, processes and facility)		781-477-7090
<i>State/Local Regulator</i>	MA DEP	Bob Blois	617-292-5833
	South Essex Sewerage District	Mark Allain	978-741-0478
		Paul Brinkman	
<i>Other community/local reference</i>	North Shore Community College-Job Training	Helene Vandernoot	781-593-6722

# Section E

## Application and Participation Statement

On behalf of PerkinElmer Optoelectronics,  
[my facility],

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

*Reinhold Hesse* 11-9-2000

Printed Name/Title

REINHOLD HESSE /  
GENERAL MANAGER

Facility Name PerkinElmer Optoelectronics

Facility Street Address 35 Congress Street  
Salem, MA 01970

Facility ID Numbers MAD00153636

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail [ptrack@indecon.com](mailto:ptrack@indecon.com). Mail completed applications to:

The Performance Track Information Center  
c/o Industrial Economics Incorporated  
2067 Massachusetts Avenue  
Cambridge, MA 02140

## National Environmental Achievement Track

### *Environmental Requirements Checklist*

The following Checklist is provided to assist facilities in answering Section A, "Tell us about your facility," Question 6. The Checklist is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The Checklist is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

**Facility Name** PerkinElmer Optoelectronics  
**Facility Location:** Salem  
**Facility ID Number(s):** MAD001053636  
*(attach additional sheets if necessary)*

#### **Air Pollution Regulations**

Check All  
That Apply

- |   |                                     |
|---|-------------------------------------|
| 1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61) | <input checked="" type="checkbox"/> |
| 2. Permits and Registration of Air Pollution Sources                    | <input checked="" type="checkbox"/> |
| 3. General Emission Standards, Prohibitions and Restrictions            | <input checked="" type="checkbox"/> |
| 4. Control of Incinerators  | <input type="checkbox"/>            |
| 5. Process Industry Emission Standards                                  | <input type="checkbox"/>            |
| 6. Control of Fuel Burning Equipment                                    | <input type="checkbox"/>            |
| 7. Control of VOCs  | <input checked="" type="checkbox"/> |
| 8. Sampling, Testing and Reporting                                      | <input type="checkbox"/>            |
| 9. Visible Emissions Standards  | <input type="checkbox"/>            |
| 10. Control of Fugitive Dust  | <input type="checkbox"/>            |
| 11. Toxic Air Pollutants Control  | <input checked="" type="checkbox"/> |
| 12. Vehicle Emissions Inspections and Testing                           | <input type="checkbox"/>            |

**Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above**  
(identify)

- |     |                          |
|-----|--------------------------|
| 13. | <input type="checkbox"/> |
| 14. | <input type="checkbox"/> |

#### **Hazardous Waste Management Regulations**

- |   |                                     |
|---|-------------------------------------|
| 1. Identification and Listing of Hazardous Waste (40 CFR 261)         |                                     |
| - Characteristic Waste  | <input checked="" type="checkbox"/> |
| - Listed Waste  | <input checked="" type="checkbox"/> |
| 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262) |                                     |
| - Manifesting   | <input checked="" type="checkbox"/> |

- Pre-transport requirements ☒
- Record keeping/reporting ☒
- 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
  - Transfer facility requirements ☐
  - Manifest system and record-keeping ☐
  - Hazardous waste discharges ☐
- 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
  - General facility standards ☐
  - Preparedness and prevention ☐
  - Contingency plan and emergency procedures ☐
  - Manifest system, Record keeping and reporting ☐
  - Groundwater protection ☐
  - Financial requirements ☐
  - Use and management of containers ☐
  - Tanks ☐
  - Waste piles ☐
  - Land treatment ☐
  - Incinerators ☐
- 5. Interim Status Standards for TSD Owners and Operators (40 CFR 265) ☐
- 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267) ☐
- 7. Administered Permit Program (Part B) (40 CFR 270) ☐

**Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (identify)**

- 8. ☐
- 9. ☐

**Hazardous Materials Management**

- 1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153) ☐
- 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302) ☒
- 3. Hazardous Materials Transportation Regulations (49 CFR 172-173) ☒
- 4. Worker Right-to-Know Regulations (29 CFR 1910.1200) ☒
- 5. Community Right-to-Know Regulations (40 CFR 350-372) ☒

**Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)**

- 6. ☐
- 7. ☐

**Solid Waste Management**

- 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257) ☐
- 2. Permit Requirements for Solid Waste Disposal Facilities ☐
- 3. Installation of Systems of Refuse Disposal ☐

4. Solid Waste Storage and Removal Requirements ☐
5. Disposal Requirements for Special Wastes ☐

**Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)**

6. ☐
7. ☐

**Water Pollution Control Requirements**

1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112) ☐
2. Designation of Hazardous Substances (40 CFR 116) ☐
3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117) ☐
4. NPDES Permit Requirements (40 CFR 122) ☒
5. Toxic Pollutant Effluent Standards (40 CFR 129) ☐
6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403) ☒
7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414) ☐
8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415) ☐
9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416) ☐
10. Water Quality Standards ☐
11. Effluent Limitations for Direct Dischargers ☐
12. Permit Monitoring/Reporting Requirements ☒
13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants ☒
14. Collection, Handling, Processing of Sewage Sludge ☒
15. Oil Discharge Containment, Control and Cleanup ☐
16. Standards Applicable to Indirect Discharges (Pretreatment) ☒

**Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)**

17. ☐
18. ☐

**Drinking Water Regulations**

1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146) ☐
2. National Primary Drinking Water Standards (40 CFR 141) ☐
3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141) ☐
4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources ☐
5. Underground Injection Control Requirements ☐

6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems ☐

**Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above(identify)**

7. ☐  
8. ☐

**Toxic Substances**

1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704) ☐  
2. Import and Export of Chemicals (40 CFR 707) ☐  
3. Chemical Substances Inventory Reporting Requirements (40 CFR 710) ☐  
4. Chemical Information Rules (40 CFR 712) ☐  
5. Health and Safety Data Reporting (40 CFR 716) ☐  
6. Pre-Manufacture Notifications (40 CFR 720) ☐  
7. PCB Distribution Use, Storage and Disposal (40 CFR 761) ☒  
8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762) ☐  
9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775) ☐

**Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above (identify)**

10. ☐  
11. ☐

**Pesticide Regulations**

1. FIFRA Pesticide Use Classification (40 CFR 162) ☐  
2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165) ☐  
3. Certification of Pesticide Applications (40 CFR 171) ☐  
4. Pesticide Licensing Requirements ☐  
5. Labeling of Pesticides ☐  
6. Pesticide Sales, Permits, Records, Application and Disposal Requirements ☐  
7. Disposal of Pesticide Containers ☐  
8. Restricted Use and Prohibited Pesticides ☐

**Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (identify)**

9. ☐  
10. ☐

**Environmental Clean-Up, Restoration, Corrective Action**

1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify) ☐  
☐



2. RCRA Corrective Action (identify)

☐  
☐

**Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration,  
Corrective Action Regulations Not Listed Above (identify)**

3.

☐

4.

☐